



Animal and Plant
Health Inspection
Service

Veterinary Services

Center for Veterinary
Biologics

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Leptospira grippotyphosa Polyclonal Antibody (LG PAb) - Lot ID IRP 511-04

Document Number: CVB-DAT-0098

Revision: 02

Previous Number: BB DAT0119.04

Vault: CVB-Released

Section/Area: CVB-DAT

Effective Date: 24 May 2021

Notes: *Strain or Source: Rabbit origin anti-LG serum, Fill date: December 1,
2004*

United States Department of Agriculture
Animal and Plant Health Inspection Service
Center for Veterinary Biologics
P. O. Box 844
Ames, IA 50010

1. **Reagent Name:** *Leptospira grippotyphosa* Polyclonal Antibody (LG PAb)
2. **Strain or Source:** Rabbit origin anti-LG serum
3. **Lot Number:** IRP 511-04
4. **Fill Date:** December 1, 2004
5. **Expiration Date:** April 30, 2023

Precautions: There are no known hazards associated with the use of this reagent.

6. **Intended Use:** For use in an enzyme-linked immunosorbent assay (ELISA) as described in **Supplemental Assay Method (SAM) 626** for serial release potency testing of leptospiral bacterins containing serovar *grippotyphosa*. This reagent may also be used in the microagglutination test.
7. **Instructions for Use:** Dilute LG PAb 1:10,000 in carbonate-bicarbonate coating buffer and use immediately, according to **SAM 626**.
8. **Test of Reagent:** LG PAb has a serologic titer of $\geq 1:12,800$ against *L. grippotyphosa* antigen by the microagglutination test (MAT). MAT titers against other serovars are negligible. The optimal use dilution was determined by titration, using the assay described in **SAM 626**.
9. **Container Size, Type, Weight, or Volume:** 150 μ L aliquots in plastic microcentrifuge tubes.
10. **Storage Conditions:** -20° to -80°C for long-term storage. Vial may be held at 2°- 7°C for several weeks.
11. **CVB Technical Contact:** Bacteriology Section, Center for Veterinary Biologics, (515) 337-7020 or FAX (515) 337-7673
12. **Origin and Passage History:** Not applicable.

13. Method of Preparation: LG PAb was prepared by hyper-immunizing New Zealand white rabbits with heat-inactivated whole cells of NVSL *L. grippotyphosa* challenge strain 11808, followed by an injection of viable whole cells. Individual rabbit sera were tested by the MAT. Satisfactory sera were pooled, filtered, and frozen at -20°C or lower.

14. Other: None.

Reagent orders and feedback should be sent *including phone number* to the following email address: VS.DB.CVB.Reagent.Requests@usda.gov

Reagent orders forms (APHIS Form 2018) can be found on the CVB website.